BOTHALIA

VOL. 16 INDEX — INDEKS

3 INTERNATIONAL
TUTE
19 OCT 1987
HERB. 7/G

Published by the

Botanical Research Institute, Pretoria

Department of Agriculture and Water Supply

Gepubliseer deur die

Navorsingsinstituut vir Plantkunde, Pretoria

Departement van Landbou en Watervoorsiening

Edited by—Onder redaksie van

O.A. LEISTNER

Index prepared by—Indeks voorberei deur

B.A. MOMBERG

THE GOVERNMENT PRINTER • DIE STAATSDRUKKER, PRETORIA

BOTHALIA

VOL. 16

Published by the

Botanical Research Institute, Pretoria

Department of Agriculture and Water Supply

Gepubliseer deur die

Navorsingsinstituut vir Plantkunde, Pretoria

Departement van Landbou en Watervoorsiening

Edited by—Onder redaksie van

O.A. LEISTNER

Index prepared by—Indeks voorberei deur

B.A. MOMBERG

Digitized by the Internet Archive
in 2025

https://archive.org/details/african-biodiversity-conservation_1986_16_index

CONTENTS—INHOUD

	Page/Bladsy	*Date/Datum*
No. 1	1–142	May 1986
No. 2	143–280	Oct. 1986

Page
Bladsy

BARKER, N.P. The shape and ultrastructure of the caryopsis of *Pentameris* and *Pseudopentameris* species (Arundinoideae, Poaceae) 65
BRUSSE, F. A new species of *Pertusaria* (Pertusariaceae, Lichenes) 57
BRUSSE, F. A new species of *Porina* on limestone (Porinaceae, Lichenes) 62
CODD, L.E. A new species of *Stachys* (Lamiaceae) 51
CODD, L.E. A new species of *Thorncroftia* (Lamiaceae) 52
CODD, L.E. Obituary: Cythna Lindenberg Letty (1895–1985) 93
CODD, L.E. Notes on *Kniphofia* (Liliaceae) 231
ELLIS, R.P. Leaf anatomy of the South African Danthonieae (Poaceae). XIV. *Pentameris dregeana* 235
ELLIS, R.P. Leaf anatomy of the South African Danthonieae (Poaceae). XV. The genus *Elytrophorus* . . . 243
FORSTER, P.I. The nomenclature of several *Brachystelma* species from southern Africa (Asclepiadaceae) . 227
GERMISHUIZEN, G. A new record for Natal and the southern African flora region (Asteraceae) 228
GERMISHUIZEN, G. A new record for Natal and the southern African flora region (Fabaceae) 231
GERMISHUIZEN, G. Raising the rank of *Polygonum senegalense* forma *albotomentosum* to subsp. *albotomentosum* (Polygonaceae) 232
GERMISHUIZEN, G. *Bilderdykia* and *Reynoutria* new to the flora of the southern African region (Polygonaceae) 233
GLEN, H.F. A new combination of *Lampranthus* (Mesembryanthemaceae) 55
GLEN, H.F. Numerical taxonomic studies in the subtribe Ruschiinae (Mesembryanthemaceae) — *Astridia, Acrodon* and *Ebracteola* 203
GLEN, H.F. and HARDY, D.S. A new method for the non-destructive examination of leaves of *Aloe* species by SEM (Liliaceae) 53
HENNESSY, E.F. A fourth natural *Erythrina* hybrid from South Africa (Fabaceae) 48
IMMELMAN, K.L. Notes on southern African species of *Justicia* (Acanthaceae) 39
JACOBSEN, W.B.G. and JACOBSEN, N.H.G. *Cheilanthes deltoidea* Kunze in the Waterberg, Transvaal (Adiantaceae) 41
JARVIE, J.K. and STIRTON, C.H. A new species of *Indigofera* from the southern Cape (Fabaceae) 230
LEISTNER, O.A. A new guide for authors to Bothalia 137
LINDER, H.P. Notes on the Disinae for the *Flora of southern Africa* (Orchidaceae) 56
LINDER, H.P. Diverse notes on southern African Pooids (Poaceae) 59
LINDER, H.P. A brief note on TCD and DBN and the herbaria of Sonder, Hooker and Harvey 88
LUBKE, R.A., EVERARD, D.A. and JACKSON, SHIRLEY. The biomes of the eastern Cape with emphasis on their conservation 251
McCRACKEN, D.P. William Keit and the Durban Botanic Garden 71
OLIVER, E.G.H. The identity of *Erica vinacea* and notes on hybridization in *Erica* 35
OLIVER, E.G.H. A new species of *Ericinella* from the southern Drakensberg (Ericaceae) 46
OLIVER, E.G.H. E.A.C.L.E. (Ted) Schelpe (1924–1985) — a biography 97
PANAGOS, M.D., WESTFALL, R.H. and SCHEEPERS, J.C. Baseline data for the vegetation of two protected plots at the Matimba Station, Ellisras, NW Transvaal 89
PEROLD, S.M. *Pteroriccia* Schust., should it be upheld? (Ricciaceae) 64
PEROLD, S.M. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 7. *R. congoana* and its synonyms 193
REID, C. Cyperaceae new to the flora of Natal (Cyperaceae) 45
RETIEF, E. A new species of *Combretum* from the Transvaal (Combretaceae) 44
RETIEF, E. A new species of *Euclea* from the Transvaal (Ebenaceae) 228
ROUX, J.P. A checklist of Pteridophyta of the north-eastern Orange Free State 83
SPIES, J.J. and DU PLESSIS, H. Chromosome studies on African plants. 1. 87
SPIES, J.J. and DU PLESSIS, H. Chromosome studies on African plants. 2. 269
STAFF OF THE NATIONAL HERBARIUM. New taxa, new records and name changes for southern African plants 109

	Page Bladsy
STIRTON, C.H. The *Eriosema squarrosum* complex (Papilionoideae, Fabaceae) in southern Africa	11
VAN ROOY, J. A new species of *Anomobryum* (Bryaceae, Musci)	42
VERDOORN, I.C. and HERMAN, P.P.J. Revision of the genus *Dombeya* (Sterculiaceae) in southern Africa	1
VOLK, O.H. and PEROLD, S.M. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 2. A new species of the section *Pilifer*: *R. sarcosa*	23
VOLK, O.H. and PEROLD, S.M. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 3. *R. schelpei*, a new species, in the new subgenus *Chartacea*	29
VOLK, O.H. and PEROLD, S.M. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 4. Three endemic species, *R. natalensis, R. microciliata*, sp. nov. and *R. mammifera*, sp. nov.	169
VOLK, O.H. and PEROLD, S.M. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 5. *R. rosea*, a new species	181
VOLK, O.H. and PEROLD, S.M. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 6. *R. hirsuta*, a new species, in a new section	187
WESTFALL, R.H. PHYTOLOC—a random-number generator and sample-set location program for stratified random vegetation sampling	270
WESTFALL, R.H. and MALAN, O.G. A method for vegetation stratification using scale-related vegetation-enhanced satellite imagery	263
WESTFALL, R.H., VAN ROOYEN, N. and THERON, G.K. The plant ecology of the farm Groothoek, Thabazimbi District. III. An annotated checklist	77
WHITE, F. The taxonomy, chorology and reproductive biology of southern African Meliaceae and Pteroxylaceae	143
WIJNANDS, D.O. The correct citation of *Montbretia crocosmiiflora* (Iridaceae)	51

INDEX—INDEKS

Acanthaceae, 39
Acrodon *N.E. Br.*, 212
  bellidiflorus *(L.) N.E. Br.*, 214
  duplessiae *(L. Bol.) Glen*, 217
  leptophyllus *(L. Bol.) Glen*, 217
  parvifolius *R. du Plessis*, 216
  subulatus (Mill.) N.E. Br., 214
Adhatoda
  cheiranthifolia Nees, 40
  matammensis Schweinf., 41
  petiolaris Nees, 40
  variegata var. *pallidior* Nees, 40
Adiantaceae, 41
Africa, 193
air-pores, 29
Aitonia Thunb., 146
  capensis Thunb., 146
Aitoniaceae Airy Shaw, 145
Aitonieae Harvey, 145
Aitonieae M.J. Roemer, 145
Aloe spp., 53
Amaryllidaceae, 116
anatomy, 65, 187, 235, 243
Anomobryum drakensbergense *Van Rooy*, 42
Arundinoideae (Poaceae), 65
Asclepiadaceae, 227
Assonia Cav., 1
  burgessiae (Gerrard ex Harv.) Kuntze, 3
  cuanzensis Hiern, 5
  huillensis Hiern, 5
  reticulata (Mast.) Kuntze, 5
Asteraceae, 228
Astridia *Dinter*, 203
  alba (L. Bol.) L. Bol., 209
  blanda L. Bol., 207
    forma *angustata* L. Bol., 207
    forma *latipetala* L. Bol., 207
  citrina *(L. Bol.) L. Bol.*, 210
  dinteri L. Bol. var. *lutata* L. Bol. ex Jacobsen, 207
  dulcis L. Bol., 209
  hallii *L. Bol.*, 211
  herrei *L. Bol.*, 210
  hillii L. Bol., 208
  latisepala L. Bol., 209
  longifolia *(L. Bol.) L. Bol.*, 209
  maxima (Haw.) Schwant., 212
  rubra (L. Bol.) L. Bol., 209
    var. *alba* L. Bol., 209
    var. *citrina* L. Bol., 209
  ruschii L. Bol., 211
  speciosa *L. Bol.*, 211
  swartpoortensis L. Bol., 209
  vanbredai L. Bol., 209
  vanheerdei *L. Bol.*, 212
  velutina *Dinter & Schwant.*, 207
    var. *lutata* L. Bol., 207
Aytonia L.f., 146
Azadirachta indica *Adr. Juss.*, 155
Barker, N.P. The shape and ultrastructure of the caryopsis of *Pentameris* and *Pseudopentameris* species (Arundinoideae, Poaceae), 65
baseline data, 89
Bergeranthus derenbergianus (Dinter) Schwant., 223
Bersama mossambicensis Sim, 161
Bilderdykia *Dumort.*, 233
  convolvulus *(L.) Dumort.*, 233
biography, 71, 97
biomes, 251
book reviews, 135, 273
Botanic gardens
  Dublin, 88
  Durban, 71
Brachelytrum africanum Hack., 61
Brachystelma
  caudatum (Thunb.) N.E. Br., 228
  crispum Grah., 228
  decipiens *N.E. Br.*, 228
  spatulatum Lindl., 228
  tuberosum *(Meerburg) R. Br. ex Sims*, 228
  tuberosum sensu R.A. Dyer, 228
Bromus
  firmior *(Nees) Stapf*, 61
  speciosus Nees var. *firmior* Nees, 61
Brusse, F. A new species of *Pertusaria* (Pertusariaceae, Lichenes), 57
Brusse, F. A new species of *Porina* on limestone (Porinaceae, Lichenes), 62
Bryaceae (Bryophyta), 42, 109
Bryophyta, 42, 109
Cape
  eastern, 251
  southern, 230
Carruthia Kuntze, 146
caryopsis, 65
Chartacea, subgenus (Riccia), 29
checklist, 77, 83
Cheilanthes deltoidea *Kunze*, 41
chorology, 143
chromosome studies, 87, 269
Chrysocoma mozambicensis *Bayer*, 228
Ciliatae group (Riccia), 169
Codd, L.E. A new species of *Stachys* (Lamiaceae), 51
Codd, L.E. A new species of *Thorncroftia* (Lamiaceae), 52
Codd, L.E. Obituary: Cythna Lindenberg Letty (1895–1985), 93
Codd, L.E. Notes on *Kniphofia* (Liliaceae), 231
collecting expeditions, 97, 104
Combretaceae, 44
Combretum petrophilum *Retief*, 44
Commelinaceae, 115
conservation, 251
Crocosmia × crocosmiiflora *(Lemoine ex Burbidge & Dean) N.E. Br.*, 51
Crotalaria lineata Thunb., 12
Cynosurus odoratus *Lehm. ex Nees*, 61
Cyperaceae, 45, 111
Cyperus
  cuspidatus *Kunth*, 45
  tenuispica *Steud.*, 45
cytology, 87, 269
Danthonieae (Poaceae), 235, 243
descriptions, 1
Desmodium
  squarrosum (Thunb.) DC., 12
    var. *acuminatum* Eckl. & Zeyh., 13
    var. *acutifolium* Eckl. & Zeyh., 12
Disa
  filicornis *(L.f.) Thunb.*, 56
  lutea Linder, 57
  patens Swartz, 57
  patens (L.f.) Thunb. non Swartz, 57
  reflexa (Lindl.) Reichb. f., 57
  tenuifolia *Swartz*, 56
Disinae, 56
Dombeya *Cav.*, 1

Dombeya continued
autumnalis *Verdoorn*, 8
burgessiae *Gerrard ex Harv.*, 3
var. *crenulata* Szyszyl., 3
calantha *K. Schum.*, 4
cuanzensis (Hiern) K. Schum., 5
cuanzensis sensu K. Schum., 5
cymosa *Harv.*, 4
damarana K. Schum., 6
densiflora Planch. ex Harv., 6
dinteri Schinz, 6
dregeana Sond., 2
elegans K. Schum., 2
gilgiana K. Schum., 5
gracilis K. Schum., 2
huillensis (Hiern) K. Schum., 5
kirkii *Mast.*, 5
melanostigma K. Schum. ex Engl., 5
myriantha K. Schum., 5
natalensis Sond., 2
palmata *Cav.*, 1
pulchra *N.E. Br.*, 3
quinqueseta *(Del.) Exell*, 5
reticulata Mast., 5
rosea Bak. f., 4
rotundifolia sensu Exell, non Harv., 5
rotundifolia *(Hochst.) Planch.*, 6
var. rotundifolia *Verdoorn*, 6
var. velutina *Verdoorn*, 8
tiliacea *(Endl.) Planch.*, 2
dorsal epidermis, 29
dorsal epithelium, 23
Drakensberg, southern, 46
Du Plessis, Emsie. Review: A dictionary of botany by R. John Little and C. Eugene Jones, 273
Du Plessis, H., 87, 269
Ebenaceae, 228
Ebracteola *Dinter & Schwant.*, 218
candida *L. Bol.*, 223
derenbergiana *(Dinter) Dinter & Schwant.*, 223
fulleri *(L. Bol.) Glen*, 222
montis-moltkei *(Dinter) Dinter & Schwant.*, 223
vallis-pacis Dinter, 223
wilmaniae *(L. Bol.) Glen*, 209
ecology, 77, 89, 251, 263, 270
Ekebergia
capensis *Sparrm.*, 155
mildbraedii Harms, 155
pterophylla *(C. DC.) Hofmeyr*, 157
senegalensis Adr. Juss., 155
Eliocharis atropurpurea *(Retz.) Presl*, 45
Ellis, R.P. Leaf anatomy of the South African Danthonieae (Poaceae). XIV. *Pentameris dregeana*, 235
Ellis, R.P. Leaf anatomy of the South African Danthonieae (Poaceae). XV. The genus *Elytrophorus*, 243
Elytrophorus
globularis *Hack.*, 243
spicatus *(Willd.) A. Camus*, 243
endangered plants, 251
endemic plants, 251
Entandrophragma *C. DC.*, 162
caudatum *(Sprague) Sprague*, 162
spicatum *(C. DC.) Sprague*, 162
epidermis, dorsal, 29
epithelium, dorsal, 23
Erica
fastigiata *L.*, 35
fervida *L. Bol.*, 35
× vinacea *L. Bol.*, 35
Ericaceae, 46
Ericinella hillburttii *E.G.H. Oliver*, 46
Eriocaulaceae, 115
Eriosema
acuminatum *(Eckl. & Zeyh.) C.H. Stirton*, 13
ambiguum Krauss (nom. nud.), 12
dregei *E. Mey.*, 17
dregei Meissn., 22
latifolium *(Benth. ex Harv.) C.H. Stirton*, 20
luteopetalum *C.H. Stirton*, 14
preptum *C.H. Stirton*, 20
puberulum Eckl. & Zeyh., 22
reticulatum E. Mey., 22
var. *canescens* Meissn., 12
rogersii Schinz, 22
rossii *C.H. Stirton*, 18
sericeum Eckl. & Zeyh., 22
squarrosum *(Thunb.) Walp.*, 12
var. *acuminatum* (Eckl. & Zeyh.) Harv., 13
var. *dregei* Benth. ex Harv., 17
var. *latifolium* Benth. ex Harv., 20
transvaalense Moss ex P. Glover, 22
trinerve E. Mey., 22
umtamvunense *C.H. Stirton*, 16
villosum (Meissn.) C.A. Sm. ex Burtt Davy, 22
zeyheri E. Mey., 12
var. *acuminatum* (Eckl. & Zeyh.) Bak., 13
var. *dregei* (E. Mey.) Bak. f., 17
var. *latifolium* Benth. ex Bak. f., 20
Eriosema squarrosum complex, 11
Erythrina × dyeri *E.F. Franklin Hennessy*, 48
Euclea dewinteri *Retief*, 228
Everard, D.A., 251
Fabaceae, 11, 48, 230, 231
Festuca
africana *(Hack.) W.D. Clayton*, 61
caprina *Nees*, 61
costata *Nees*, 61
dracomontana *Linder*, 59
elatior *L.*, 59
megastachys Hegetscher & Heer, 61
scabra *Vahl*, 60
vulpioides *Steud.*, 61
Flora of southern Africa, 56, 59
Forster, P.I. The nomenclature of several *Brachystelma* species from southern Africa (Asclepiadaceae), 227
Fourie, Denise M.C. Review: The South African herbal by Eve Palmer, 273
Gendarussa
orchioides var. *latifolia* Nees, 40
protracta Nees, 40
Germishuizen, G. A new record for Natal and the southern African flora region (Asteraceae), 228
Germishuizen, G. A new record for Natal (Fabaceae), 231
Germishuizen, G. Raising the rank of *Polygonum senegalense* forma *albotomentosum* to subsp. *albotomentosum* (Polygonaceae), 232
Germishuizen, G. *Bilderdykia* and *Reynoutria* new to the Flora of the southern African region (Polygonaceae), 233
Gibbs Russell, G.E. Review: Grasses of the Soviet Union. Parts I & II by N.N. Tsvelev, 135
Gibbs Russell, G.E. Review: Species and speciation, edited by E.S. Vrba, 273
Glen, H.F. A new combination in *Lampranthus* (Mesembryanthemaceae), 55
Glen, H.F. Numerical taxonomic studies in the subtribe Ruschiinae (Mesembryanthemaceae)—*Astridia, Acrodon* and *Ebracteola*, 203
Glen, H.F. & Hardy, D.S. A method for the non-destructive examination of leaves of *Aloe* species by SEM (Liliaceae), 53
growth forms, 77
guide for authors to *Bothalia*, 137, 275

Hardy, D.S., 53
Hedysarum squarrosum Thunb., 12
Hemicarpha micrantha *(Vahl) Pax*, 45
Hennessy, E.F. A fourth natural *Erythrina* hybrid from South Africa (Fabaceae), 48
herbarium
Glasnevin, National Botanic Gardens, Dublin (DBN), 88
Harvey, 88
Hooker, 88
Sonder, 88
Trinity College, Dublin (TCD), 88
Herman, P.P.J., 1
hybrid (Erythrina), 48
hybridization in Erica, 35
Immelman, K. Notes on southern African species of *Justicia* L. (Acanthaceae), 39
Indigofera thesioides *J.K. Jarvie & C.H. Stirton*, 230
Iridaceae, 51, 117
Jackson, Shirley, 251
Jacobsen, N.H.G., 41
Jacobsen, W.B.G. & Jacobsen, N.H.G. *Cheilanthes deltoidea* Kunze in the Waterberg, Transvaal (Adiantaceae), 41
Jarvie, J.K. & Stirton, C.H. A new species of *Indigofera* from the southern Cape, 230
Justicia
betonica *L.*, 40
betonicoides C.B. Cl., 40
bowiei C.B. Cl., 40
brycei C.B. Cl., 41
cheiranthifolia (Nees) C.B. Cl., 40
cuneata *Vahl*, 40
subsp. cuneata, 40
subsp. hoerleiniana *(P.G. Mey.) Immelman*, 40
subsp. latifolia *(Nees) Immelman*, 40
elegantula *S. Moore*, 41
exigua S. Moore, 41
hoerleiniana P.G. Mey., 40
incerta C.B. Cl., 40
kraussii C.B. Cl., 40
var. *florida* C.B. Cl., 40
matammensis *(Schweinf.) Oliv.*, 41
mutica C.B. Cl. 40
orchioides *L.f.* subsp. glabrata *Immelman*, 39
pallidior (Nees) C.B. Cl., 40
parvibracteata *Immelman*, 39
petiolaris *(Nees) T. Anders.*, 40
subsp. bowiei *(C.B. Cl.) Immelman*, 40
subsp. incerta *(C.B. Cl.) Immelman*, 40
subsp. petiolaris, 40
protracta *(Nees) T. Anders.*, 40
subsp. protracta, 40
subsp. rhodesiana *(S. Moore) Immelman*, 40
pulegioides C.B. Cl., 40
subsp. *late-ovata* C.B. Cl., 41
rhodesiana S. Moore, 40
sp., 41
trinervia Vahl, 40
woodii C.B. Cl., 40
Keit, William, 71
keys:
Acrodon spp., 213
Astridia spp., 207
Dombeya spp., 1
Ebracteola spp., 222
Eriosema spp., 11
Kniphofia
angustifolia *(Bak.) Codd*, 231
ichopensis *Schinz* var. aciformis *Codd*, 231
natalensis Bak. var. *angustifolia* Bak., 231
rufa sensu Codd, 231
splendida *E.A. Bruce*, plate, 92
Lamiaceae, 51, 52
Lampranthus
deltoides *(L.) Glen*, 55
ruber (L. Bol.) L. Bol., 209
Landsat, 263
leaf anatomy, 65, 235, 243
lectotypification in Poeae, 61
Leeuwenhoekia tiliacea E. Mey., 2
Leistner, O.A. A new guide for authors to *Bothalia*, 137
Letty, Cythna Lindenberg (1895–1985), 93
Lichenes, 57, 62
Liliaceae, 53, 115, 231
Limodorum longicorne Thunb., 56
Linder, H.P. Notes on the Disinae for the *Flora of southern Africa* (Orchidaceae), 56
Linder, H.P. Diverse notes on southern African pooids (Poaceae), 59
Linder, H.P. A brief note on TCD and DBN and the herbaria of Sonder, Hooker and Harvey, 88
Lubke, R.A., Everard, D.A. & Jackson, Shirley. The biomes of the eastern Cape with emphasis on their conservation, 251
Malan, O.G., 263
Marchantiales, 23, 29, 64, 169, 181, 187, 193
Mariscus paradoxus *(Cherm.) Cherm.*, 45
McCracken, D.P. William Keit and the Durban Botanic Garden, 71
Melia, *L.*, 154
azedarach *L.*, 154
Meliaceae, 143
Mesembryanthemaceae, 55, 203
Mesembryanthemum
bellidiflorum L., 214
var. *glaucescens* Haw., 214
var. *simplex* DC., 214
var. *subulatum* (Mill.) Haw., 214
var. *viride* Haw., 214
caulescens Mill., 55
deltoides L., 55
var. δ L., 55
var. *majus* Weston, 55
var. *muricatum* (Haw.) Berger, 55
var. *pedunculatum* N.E. Br., 55
var. *simplex* DC., 55
deltoideum L., 55
derenbergianum Dinter, 223
var. *interioris* Dinter, 223
longifolium L. Bol., 209
montis-moltkei Dinter, 224
muricatum Haw., 55
renniei L. Bol., 224
rubrum L. Bol., 209
subulatum Mill., 214
velutinum Dinter, 207
vermeuleniae L. Bol., 222
wilmaniae L. Bol., 222
Micantes *Volk & Perold*, sect. nov. (Marchantiales), 187
Micromeria sp., 22
Monocotyledones, 45, 51, 53, 56, 59, 65, 110
Montbretia crocosmiiflora *Lemoine ex E. Morren*, 51
Munsell parameters, 263
name changes, 11, 13, 20, 40, 55, 151, 217, 222, 231, 232
Natal, 45, 228, 231
new records, 45, 109, 228, 231, 233
new taxa, 11, 14, 16, 18, 23, 29, 39, 42, 44, 46, 48, 51, 52, 57, 59, 62, 109, 145, 153, 173, 176, 181, 187, 228, 230, 231
numerical taxonomy, 203
Nurmonia *(Harms) F. White*, Section, 151
Nurmonia Harms, 151
pulchella Harms, 152
Nymania *Lindb.*, 146
capensis *(Thunb.) Lindb.*, 146

Nymanieae *White* (Meliaceae), 145
obituary, 93
Oliver, E.G.H. The identity of *Erica vinacea* and notes on hybridization in *Erica*, 35
Oliver, E.G.H. A new species of *Ericinella* from the southern Drakensberg (Ericaceae), 46
Oliver, E.G.H. E.A.C.L.E. (Ted) Schelpe (1924–1985)—a biography, 97
Ophrys patens L. f., 56
Orange Free State, north-east, 83
Orchidaceae, 56, 118
Orchis filicornis L. f., 56
Oscularia
caulescens (Mill.) Schwantes, 55
deltata (Mill.) Schwantes, 55
var. *major* (Weston) Schwantes, 55
deltoides (L.) Schwantes, 55
var. *major* (Weston) Schwantes ex Jacobsen, 55
var. *pedunculata* (N.E. Br.) Schwantes ex Jacobsen, 55
muricata (Haw.) Schwantes ex Jacobsen, 55
pedunculata (N.E. Br.) Schwantes, 55
Panagos, M.D., Westfall, R.H. & Scheepers, J.C. Baseline data for the vegetation of two protected plots at the Matimba Power Station, Ellisras, NW Transvaal, 89
Papilionoideae (Fabaceae), 11
Pentameris *Beauv.*, 65
dregeana *Stapf*, 235
Penthea
filicornis (L. f.) Lindl., 57
patens (L. f.) Lindl., 57
reflexa Lindl., 57
Perold, S.M., 23, 29, 169, 181, 187
Perold, S.M. *Pteroriccia* Schust., should it be upheld? (Ricciaceae), 64
Perold, S.M. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 7. *R. congoana* and its synonyms, 193
Pertusaria salax *Brusse*, 57
Pertusariaceae (Lichenes), 57
PHYTOLOC, 270
Pilifer, section, 23
plant collections, 88, 97, 105
Poa binata *Nees*, 61
Poaceae, 59, 65, 87, 110, 235, 243, 269
Polygonaceae, 232, 233
Polygonum senegalense *Meisn.*
subsp. albotomentosum *(R.A. Grah.) Germishuizen*, 23
forma *albotomentosum* R.A. Grah., 233
Pontederiaceae, 115
Porina balanina *Brusse*, 62
Porinaceae (Lichenes), 62
PRECIS, 109
Pseudobersama mossambicensis *(Sim) Verdc.*, 161
Pseudopentameris *Conert*, 65
Ptaeroxylaceae, 143
Pteridophyta, 41, 83, 110
Pteroriccia Schust., 64
publications
by Schelpe, E.A.C.L.E., 106
by Staff of BRI, 131
Puccinellia angusta *(Nees) C.A. Sm. & C.E. Hubb.*, 61
Pycreus
atribulbus *(Kükenth.) Napper*, 45
macrostachyos *(Lam.) J. Raynal*, 46
pumilis *(L.) Nees*, 46
Reid, C. Cyperaceae new to the flora of Natal, 45
Reid, C. Pteridophyta, Cyperaceae, Restionaceae, Xyridaceae, Eriocaulaceae, Commelinaceae, Pontederiaceae, Amaryllidaceae, Iridaceae, Zingiberaceae, Orchidaceae in New taxa, new records and name changes for southern African plants, 111
reproductive biology, 143
Restionaceae, 111
Retief, E. A new species of *Combretum* from the Transvaal (Combretaceae), 44
Retief, E. A new species of *Euclea* from the Transvaal (Ebenaceae), 228
review of the work of the Botanical Research Institute, 1984/1985, 119
revision, 1
Reynoutria *Houtt.*, 233
sachalinensis *(F. Schmidt) Nakai*, 233
Rhynchosia
barbertonensis *C.H. Stirton*, 22
dregei (E. Mey.) Steud., 17
puberula *(Eckl. & Zeyh.) Steud.*, 22
villosa *(Meissn.) Druce*, 22
zeyheri (E. Mey.) Steud., 12
Rhytiglossa rubicunda Hochst., 41
Riccia
aegyptiaca S. Arnell, 193
berriei E.W. Jones, 193
congoana *Steph.*, 193
hirsuta *Volk & Perold*, 187
limbatoides, nom. prov., O.H. Volk, 193
mammifera *Volk & Perold*, 176
microciliata *Volk & Perold*, 173
natalensis *Sim*, 169
nigrosquamata E.W. Jones, 193
rhodesiae S. Arnell, 193
rosea *Volk & Perold*, 181
sarcosa *Volk & Perold*, 23
schelpei *Volk & Perold*, 29
Ricciaceae, 23, 29, 64, 169, 181, 187, 193
Roux, J.P. A checklist of Pteridophyta of the north-eastern Orange Free State, 83
Ruschia
constricta L. Bol., 217
derenbergiana (Dinter) L. Bol. nom. invalid., 223
derenbergiana (Dinter) C. Weber, 223
duplessiae L. Bol., 217
fulleri L. Bol., 222
leptophylla L. Bol., 217
longifolia L. Bol., 214
longifolia (L. Bol.) L. Bol., 209
macrophylla L. Bol., 217
maxima *(Haw.) L. Bol.*, 212
renniei (L. Bol.) Schwant. ex Jacobsen, 224
rubra (L. Bol.) L. Bol., 209
wilmaniae (L. Bol.) L. Bol., 222
var. *angustifolia* L. Bol., 222
var. *vermeuleniae* (L. Bol.) L. Bol., 222
Ruschiinae, subtribe (Mesembryanthemaceae), 203
savanna, 77
Scanning electron microscopy (SEM), 53
Scheepers, J.C., 89
Schelpe, E.A.C.L.E. (Ted) 1924–1985, 97
Sclerochloa angusta Nees, 61
Serapias patens Thunb., 56
Siphonoglossa tubulosa *(Nees) Benth. ex Lindau*, 41
South Africa, 263
southern Africa, 1, 11, 23, 29, 39, 143, 169, 181, 187, 193, 227, 228
Spies, J.J. & Du Plessis, H. Chromosome studies on African plants. 1. (Poaceae), 87
Spies, J.J. & Du Plessis, H. Chromosome studies on African plants. 2. (Poaceae), 269
spikelet morphology, 65
spores, 193
Squamatae group (Riccia), 181
Stachys comosa *Codd*, 51
Staff of the National Herbarium. New taxa, new records and name changes for southern African plants, 109

Stapelia
caudata Thunb., 228
tuberosa Meerburg, 228
Sterculiaceae, 1
Stirton, C.H. The *Eriosema squarrosum* complex (Papilionoideae, Fabaceae) in southern Africa, 11
Stirton, C.H., 230
stratification, 263, 270
Subtropical thicket, 251, 255
synonomy of Riccia congoana, 193
taxonomy, 1, 11, 23, 29, 35, 39, 41, 42, 44, 46, 48, 51, 52, 55, 56, 57, 59, 62, 64, 143, 169, 181, 187, 193, 203, 227, 228, 230, 231, 232, 233
taxonomy, numerical, 203
Tephrosia lupinifolia *(Burch.) DC.*, 231
Thabazimbi District, Transvaal, 77
Theron, G.K., 77
Thorncroftia media *Codd*, 52
Transvaal, 228, 263
Ellisras, 89
Thabazimbi District, 77
Waterberg, 41
Trichilia P. Br.
alata N.E. Br., 157
dregeana *Sond.*, 158
emetica *Vahl*, 157
pterophylla C. DC., 157
Turraea *L.*, Section, 148
floribunda *Hochst.*, 151
heterophylla sensu Pegler, 152
nilotica *Kotschy & Peyr.*, 149
obtusifolia *Hochst.*, 149
pulchella *(Harms) Pennington*, 151
streyi *F. White & B.T. Styles*, 153
zambesica *Sprague & Hutch. ex Styles & F. White*, 149
utilization classes, 77
Van Rooy, J. A new species of *Anomobryum* (Bryaceae, Musci), 42
Van Rooy, J. Bryophyta in New taxa, new records and name changes for southern African plants, 109
Van Rooyen, N., 77
vegetation, 77, 89, 263
vegetation sampling, 263, 270
vegetation types, 251, 255
Verdoorn, I.C. & Herman, P.P.J. Revision of the genus *Dombeya* (Sterculiaceae) in southern Africa, 1
Volk, O.H. & Perold, S.M. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 2. A new species of the section *Pilifer*: *R. sarcosa*, 23
Volk, O.H. & Perold, S.M. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 3. *R. schelpei*, a new species, in the new subgenus *Chartacea*, 29
Volk, O.H. & Perold, S.M. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 4. Three endemic species, *R. natalensis, R. microciliata*, sp. nov. and *R. mammifera*, sp. nov., 169
Volk, O.H. & Perold, S.M. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 5. *R. rosea*, a new species, 181
Volk, O.H. & Perold, S.M. Studies in the genus *Riccia* (Marchantiales) from southern Africa. 6. *R. hirsuta*, a new species, in a new section, 187
Vulpia megastachya Nees, 61
Waterberg, Transvaal, 41
Westfall, R.H., 89
Westfall, R.H. PHYTOLOC—a random-number generator and sample-set location program for stratified random vegetation sampling, 270
Westfall, R.H. & Malan, O.G. A method for vegetation stratification using scale-related, vegetation-enhanced satellite imagery, 263
Westfall, R.H., Van Rooyen, N. & Theron, G.K. The plant ecology of the farm Groothoek, Thabazimbi District. III. An annotated checklist, 77
White, F. The taxonomy, chorology and reproductive biology of southern African Meliaceae and Ptaeroxylaceae, 143
Wijnands, D.O. The correct citation of *Montbretia crocosmiiflora* (Iridaceae), 51
Xeropetalum Del., 1
quinquesetum Del., 5
rotundifolium Hochst., 6
tiliaceum Endl. & Fenzl, 2
Xyridaceae, 115
Zingiberaceae, 118